

product of a calcium compound selected from the group consisting of calcium hydroxide, calcium oxide and calcium carbonate with citric acid wherein said reaction product has a mole ratio of calcium to citric acid from 2.5:2 to 2.95:2 and a pH value in a 1% water slurry of said reaction product from about 4 to below 7 at 25° C. and said salt being in the form of small platelets of a length below about 3 microns, a width of below about 2 microns and a thickness of below about 1 micron.

20. A composition according to claim 19 wherein the average length of the crystals is about 1.5 microns, average width is about 1 micron and the average thickness is from about 0.1 to about 0.2 micron.

21. A composition according to claim 19 wherein said reaction product has a mole ratio of calcium to citric acid from about 2.61:2 to about 2.92:2.

22. A composition according to claim 19 wherein a 1% water slurry of said salt shows a pH value of from about 4.0 to about 7.

23. A composition according to claim 19 wherein a 1% water slurry of said salt shows a pH value of from about 4.0 to about 5.5.

24. A composition according to claim 19 wherein said calcium citrate salt particles are coated with a food-acceptable additive.

25. A process of opacifying and whitening an oil-based food composition which comprises intimately mixing an opacifying and whitening amount of a finely divided calcium citrate salt, said salt being a reaction product of a calcium compound selected from the group consisting of calcium hydroxide, calcium oxide and calcium carbonate with citric acid wherein said reaction product has a mole ratio of calcium to citric acid from 2.5:2 to 2.95:2 and a pH value in a 1% water slurry of said reaction product from about 4 to below 7 at 25° C.

26. A composition according to claim 25 wherein a 1% water slurry of said reaction product has a pH value of from about 4.0 to about 7 and said reaction product has a mole ratio of calcium to citric acid from about 2.61:2 to about 2.92:2.

27. A process according to claim 25 wherein the opacifying and whitening amount of salt is from about 0.5% to about 5% by weight of the composition.

28. A process according to claim 25 wherein the salt is in the form of small platelets of a length below about

3 microns, a width below about 2 microns and a thickness below about 1 micron.

29. A process according to claim 25 wherein the salt is in the form of small platelets of an average length of about 1.5 micron, average width of about 1 micron and average thickness of about 0.1 to about 0.2 micron.

30. A process according to claim 25 wherein the calcium citrate salt is coated with a food-acceptable additive.

31. A process according to claim 25 wherein the calcium salt is in the form of an oil based composition according to claim 1.

32. The process of producing finely divided crystals of calcium citrate which comprises grinding crystal agglomerates of calcium citrate salt, said salt being a reaction product of a calcium compound selected from the group consisting of calcium hydroxide, calcium oxide and calcium carbonate with citric acid wherein said reaction product has a mole ratio of calcium to citric acid from 2.5:2 to 2.95:2 and a pH value in a 1% water slurry of said reaction product from about 4 to below 7 at 25° C., said reaction product in an oil medium to form small platelet crystals of a length below about 5 microns, a width of below about 2 microns and a thickness of below about 2 microns.

33. A process for producing a semi-solid to solid vegetable oil composition intimately mixing from about 0.5% to about 35% by weight of a finely divided calcium citrate salt, said salt being a reaction product of a calcium compound selected from the group consisting of calcium hydroxide, calcium oxide and calcium carbonate with citric acid wherein said reaction product has a mole ratio of calcium to citric acid from 2.5:2 to 2.95:2 and a pH value in a 1% water slurry of said reaction product from about 4 to below 7 at 25° C.

34. A process according to claim 33 wherein the amount of said salt is from about 15% to about 20% by weight of the composition.

35. A process according to claim 33 wherein the salt is in the form of small platelets of a length below about 3 microns, a width below about 2 microns and a thickness below about 1 micron.

36. A process according to claim 33 wherein the salt is in the form of small platelets of an average length of about 1.5 microns, average width of about 1 micron and average thickness of about 0.1 to about 0.2 micron.

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